19990415.ba v02_n504.bam.990415

>From ???@??? Thu Apr 15 22:27:17 1999
Message-Id: <199904151530.KAA25331@sco.theporch.com>
Date: Thu, 15 Apr 1999 10:29:31 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2504

BOATANCHORS Digest 2504

Topics covered in this issue include:

1) Wanted/Trade: Electric Radio
   by Al Klase <skywaves@bw.webex.net>
2) ARCI meet this Sunday 4/18
   by Norm Flasch <flasch@cushy.ece.nwu.edu>
3) RE: WTD: Sensitive Relay for Coherer RX
   by Sheldon Wheaton <swheaton@sky.net>
4) Re: RCA Emblem
   by Morris Odell <morriso@vifp.monash.edu.au>
5) Big AF Chokes.
   by David Stinson <arc5@ix.netcom.com>
6) Re: 2503
   by Jderm740@aol.com
7) FS: Hewlett Packard 410C VTVM
   by Michael Crestohl <mc@sover.net>
8) FS: 51J-4
   by zeitler@ibm.net
9) Re: Seeking pointers, trblshtng HQ170
   by "Arden Allen" <gumbear@pacbell.net>
10) Trade NC-183D for ?
   by kf4kl@ipass.net (Doug Hall)
11) Have Compactrons - Need recent tube manual
   by Ross J Lahlum <rlahlum@juno.com>
12) Radio exhibition at SFO airport
   by Heinz und Hannelore Breuer <hbreuer@debitel.net>
13) HP-608E Sig Gen Manual wanted
   by David Prince <davprin@gil.com.au>
14) Re: Shopping for a Vector Impedance Meter
   by Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
15) W6NJV as resource
   by mnhopkins@juno.com
16) FS: Dave's Work
   by Brian.Harris@sv.sc.philips.com (Brian Harris)
17) Ameco note: CB-6 converters
   by mnhopkins@juno.com
18) TN2B - APR-1... What it was?

by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
19) RADIO STUFF NEEDED FOR BB-35, USS TEXAS
by David Stinson <arc5@ix.netcom.com>
20) Re: TN2B - APR-1... What it was?
by William Donzelli <william@ans.net>
21) RK20/804 et al
by FRANKK6NL@aol.com

Message-ID: <3714F25D.8A03CF@bw.webex.net>
Date: Wed, 14 Apr 1999 15:54:05 -0400
From: Al Klase <skywaves@bw.webex.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Wanted/Trade: Electric Radio
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anchorites,

Looking to buy or trade back issues of Electric Radio magazine.

Have: Nov. and Dec. 94 to trade.

Need: before #40, 41, 45-49, 53, 55, 56, 82-84, 88-90, after 106.

73,
Al

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: http://www.webex.net/~skywaves/home.htm

From: Norm Flasch <flasch@cushy.ece.nwu.edu>
Message-Id: <199904142227.RAA27893@cushy.ece.nwu.edu>
Subject: ARCI meet this Sunday 4/18
To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 14 Apr 1999 17:27:22 -0500 (CDT)
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

The Antique Radio Club of Illinois will be hosting a swap meet this Sunday, April 18 from 7:00AM till noon. Location is the Elgin Plaza Hotel formerly known as the Holiday Inn. For location map and other details see:

http://members.aol.com/arci31280/arci.htm

This meet will be outdoors in the west parking lot. A donation auction will follow.

--
Norm Flasch   Electronic Specialist   ECE dept
Northwestern University   Evanston, Illinois
flasch@ece.nwu.edu   847-467-4387

Date: Wed, 14 Apr 1999 18:56:17 -0500 (CDT)
From: Sheldon Wheaton <swheaton@sky.net>
To: Old Tube Radios <boatanchors@theporch.com>
cc: skywaves@bw.webex.net
Subject: RE: WTD: Sensitive Relay for Coherer RX
Message-ID: <Pine.GSO.3.96.990414185003.15031D-100000@sky.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Al,

How about one of the "super sensitive" relays from one of those simple old WWII signal corps marker beacon receivers (BC-357, -1023, or -1033)? Those units used to be sold on the surplus market for the sole purpose of gutting them for that relay. I don't know the voltage on the relay, but I know it has a TON of wire on it, and I seem to recall it was only a milliamp or two to pull it in. The voltage might be a problem. You can always "relax" the armature return spring some for a stationary applications such as yours, in order to further reduce the coil power requirement.

Sheldon

****

Date: Tue, 13 Apr 1999 07:37:57 -0400
From: Al Klase <skywaves@bw.webex.net>
Subject: WTD: Sensitive Relay for Coherer RX

Feeling I have crystal receiver technology pretty much under control, I've decide to move in the retrograde direction: the coherer. Early experiments with filings from a Canadian beaver nickle have been encouraging.

Now I need a sensitive relay to detect the coherer action and actuate the decoherer.

Message-ID: <37152B5C.716A55A6@vifp.monash.edu.au>
Date: Thu, 15 Apr 1999 09:57:16 +1000
From: Morris Odell <morriso@vifp.monash.edu.au>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: RCA Emblem
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all,

johnmb@mindspring.com wrote:
>

> Compare such evocative names such as "Mohawk", "Marauder"," Bandmaster", "King"
> "Thunderbolt" with modern fare: "TS950" "SB102" etc....bleah...no comparison.
>
> (This is a Sign of the Times (tm), as carmakers have trod down the same path of blandishment:
>
> Where there once was "Impalas" and "Hornets" and "Silver Hawks" we've now gotten
> non-names (Altima, Camry, etc...) and the ever bland numbered names "300ZX",
> "B210" etc....

I must shove my tongue in my cheek and protest. What about the B40 I've recently discussed, or all those wonderful Tektronix 500 series 'scopes. The mere mention of the number 545 is enough to conjure up a vision of vacuum tube magnificence in my mind. And of course, none of us hear the cipher "R-390A" and just think of it as a boring old code name.

And if you must talk about cars, what about XJ6, XKE, 911, MG, P1800S, or what has been described as the only successful mechanical device ever produced for the sole purpose of attracting women, the 380SL :-)

Morris

Morris

Message-ID: <37153C41.9CBD2CC1@ix.netcom.com>
Date: Wed, 14 Apr 1999 20:09:21 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Big AF Chokes.
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I recently picked-up a few nice heavy Bendix audio chokes. Apprx. 7-inch cube of about 10 lbs.

My SIG-5 list them as-

CHOKE, AF: filter, single winding;
9 henrys at 20V RMS; 60 cps, 270ma DC, 90 ohm

I understand 9 henrys, 270 ma DC, and 90 ohms.

What is the "at 20 V RMS; 60 cps" all about?
Is that an insulation rating or max audio power or something?

73 DE Dave AB5S

From: Jderm740@aol.com
Message-ID: <6093a5d7.24469683@aol.com>
Date: Wed, 14 Apr 1999 21:10:27 EDT
Subject: Re: 2503
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

To all
Some comments.
The noisey HQ-170. Has anyone suggested a signal tracer? If you can hear it at the output I should think you could trace it back starting at the output until you reach that point where it stops. No?

Bogota: Use extreme care down there. If you look prosperous you may be a target.
We have friends whose young daughter is a sales person for an American Co. and she travels there on occasion. She is in her earlt twentys and very blond. Everytime she goes there her mother lights a lot of candles.

Ticky Tacky: I think there was a recording by Joan Collins whe she was in

her folk period forty years ago. This was before she reverted to her more classical form. Today she seems to be the darling of the local symphony set. She seem to open more seasons than anyone else. But to give her credit, she sure can play a piano.
Belleisimo!

Jack

Message-Id: <199904150141.VAA02661@pike.sover.net>
Date: Wed, 14 Apr 1999 21:47:45 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Michael Crestohl <mc@sover.net>
Subject: FS: Hewlett Packard 410C VTVM
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang:

I have a second HP-410C that I'd like to offer to the List before putting it on eBay. This is THE VTVM that was used during the 60s and 70s and is specifically mentioned in many of the Collins manuals so for those who like to do things by the book......

It is a NAVY veteran, is very clean, works perfectly and comes with the accessory 11036A AC/RF probe. The probe end has cracks in it but doesn't affect its operation. It is easily removed and replaced if desored.

Price is $150.00 plus shipping. If interested please reply by e-mail.

73,

Michael Crestohl, W1RC
mc@sover.net

From: zeitler@ibm.net
Message-ID: <003e01be86e5$87d57a60$88292581@km3g>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: 51J-4
Date: Wed, 14 Apr 1999 19:13:12 -0700
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

After many inquiries as to "how much" I will offer my 51J-4 for sale. It has all three filters--6kc, 3.1, and 1.4. They are original Collins filters

500B14, 500B31, 500B60.

It has the Collins cabinet.

It of course has the dust cover.

It has the two alignment tools that are housed on the inside of the rig on the right side.

I have a copy of the manual.

I will professionally double box and ship ONLY through UPS. It will be appropriately insured for replacement value.

Cosmetic condx: Front panel is a 8.5/10. I don't know this CCA stuff. To me a 10/10 means it looks like it just came out of the box for the first time. With that in mind the internal chassis area is also around an 8.5.

The cabinet is around a 7.5 to 8/10.

The dial drum is yellow with age. The dial glass is clear and intact with no cracks.

Electrical condx: Could probably use an alignment. I use it primarily for AM bdcst such as KPOP AM 1360 and some other SWL. It hears everything my TS-520S hears but now always at the same level. I think that the AF Gain and RF Gain pots could use a good cleaning.

With all of this in mind I would like $625.00 for the rig and we will split UPS charges. I will CONSIDER a smaller HF amp that covers 160 meters such as the Ameritron 3 or 4 tube 811A or AL-80A, Hethkit SB-1000, or even a nice Swan Mk II (I know it does not cover 160) amp as a partial trade. Will not seperate. All or nothing.

Thank you for the read.

Lane Zeitler
2262 Barney St
San Diego CA 92139
619-470-6528

Call: Ku7i

Pls respond ONLY by e-mail. If we HAVE to talk on the phone I will call you.

Message-Id: <199904150310.UAA19784@mail-gw.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>

To: Old Tube Radios <boatanchors@theporch.com>
Cc: <boatanchors@theporch.com>
Subject: Re: Seeking pointers, trblshtng HQ170
Date: Wed, 14 Apr 1999 20:12:24 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Oh Jack, I don't know......

> .... then find off the shelf replacements. the only difficult one
> will be the xtal filter if.   on this i feel that
> arden will agree.

I would like to know where you get "off the shelf" replacement parts for 30, 40-60 year old boatanchors. You must be pulling my leg! If you mean a donor carcass, the parts have been through the mill too. IF transformers look a lot alike from the outside but there are variations in Q,coupling coefficient and terminal arragements. I would worry that a radio rebuilt with non-descript replacement transformers may have problems with stability (oscillating IF stages). I would take the time to determine the correct value for the resonating capacitors and replace the corroded ones. It's a bit of a tedious job repairing J and K trans but after the first couple or three it goes pretty fast. More satisfying also to know you haven't messed up the design. It's fun too!! 73.

Arden Allen   KB6NAX   Vallejo, CA   gumbear@pacbell.net

From: kf4kl@ipass.net (Doug Hall)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Trade NC-183D for ?
Date: Thu, 15 Apr 1999 03:41:31 GMT
Message-ID: <3716567c.286779906@DOUGHALL>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

Hi folks,
I have a very nice National NC-183D that I'd like to trade for any of the following items. I got the receiver a while back from the original owner, cleaned it up, and have enjoyed using it, but I already have an NC-173, so I'd like to swap the NC-183D for something else. Cash +/- depending on what you have:

Stuff I'm interested in:

Johnson KW Matchbox
Drake R4C receiver w/accessories
Solid state xcvr suitable for mobile use (Scout?)
Decent digital camera (better than 640x480 resolution)

Or other interesting stuff - whatcha got? I especially like receivers.

You can see pictures of this receiver at:

http://www.ipass.net/~cdhall/nc183_2s.jpg
http://www.ipass.net/~cdhall/inside2.jpg

Some details: The receiver works well. Even 6m works. It works nicely with my Ranger, and makes a good shortwave listening receiver as well. It's original except for a DamppChaser inside that the original owner added and which could be easily removed. It has not been recapped, but nevertheless is quite sensitive and sounds good. For long term use, recapping would probably be a good idea simply due to the age of the receiver. I have the original manual. No matching speaker. It's heavy, and would cost $25 to $35 to ship properly within the US, I would think.

If you have something to trade or need more info, drop me a note. I'm not interested in stuff that's "untested" or needs work. I have enough projects as it is. Look at the pictures - whatever you have to trade should be in like condition.

73,
Doug Hall, KF4KL

To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 15 Apr 1999 00:37:13 -0500
Subject: Have Compactrons - Need recent tube manual
Message-ID: <19990415.003827.-4099755.2.rlahlum@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: Ross J Lahlum <rlahlum@juno.com>

Hi,

Just acquired a lot of Compactrons & need a "recent" tube manual to look them up.

Anybody have one to sell or trade?
My most recent manual is the RCA RC-21 (dated 1961), which does not include them - apparently they hadn't been born yet...
Some of these late-model tubes look like just the ticket for a spud amp or maybe an RIAA stage. Just casually looking at them, I see some interesting possibilities:
6GF7A - 9-pin novar base - 1 small triode & 1 big triode - might make a good voltage amp & driver
6AC10 - 12-pin (duodecal?) base - 3 seemingly identical triodes - imagine the possibilities
8BU11 - 2 little triodes & a tetrode (?) sitting sideways like some little RF tubes - would look cool from the listener's chair, might even be a good low-noise amp...
and lots more...
Oh, as long as I'm asking - anybody got any noval & duodecal (that's the name I think I remember for the 12-pin job) sockets or know a good cheap source?

Thanks,
Ross
____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Message-ID: <37150A3E.1FA4@debitel.net>
Date: Wed, 14 Apr 1999 21:36:19 +0000
From: Heinz und Hannelore Breuer <hbreuer@debitel.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Radio exhibition at SFO airport
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

just to let you know if you are coming to San Francisco airport within the next days:

I went thru San Francisco airport last week and saw that they have a radio exhibition in the North Terminal going on thru April.
I was in a hurry and couldn't take a closer look but I saw some crystal stets, a few consoles and a lot of bakelite radios. Also some microphones etc.
The exhibition is located in the United terminal after the security check but is accessible to everybody without carrying a ticket.
73

Heinz - KF6FNC

Message-ID: <3715BF96.77619CFA@gil.com.au>
Date: Thu, 15 Apr 1999 20:29:43 +1000
From: David Prince <davprin@gil.com.au>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: HP-608E Sig Gen Manual wanted
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

G'day Folks,

Now that I know my 608C Manual doesn't match up very well with my 608E, would like to obtain a manual or copy for the 608E. Anyone have a spare?

Cheers

--
Dave Prince VK4KDP
Ipswich, Queensland, Australia
davprin@gil.com.au
http://www.home.gil.com.au/~davprin

Message-Id: <v03102807b33b6c061f51@[134.53.65.12]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 15 Apr 1999 06:29:06 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Garland W8ZR <4CX250B@miavx1.acs.muohio.edu>
Subject: Re: Shopping for a Vector Impedance Meter
Cc: boatanchors@theporch.com

>I own an amplifier which specifies this piece of test equipment
>for tank circuit alignment- to be specific, I need to be able to
>locate zero phase angle at 1900 ohms of impedance while
>adjusting a vacuum variable cap.

Hi Web,
 It should be easy to adjust the tank circuit without a vector impedance meter. Evidently, the amplifier manufacturer has specified a 1900 ohm plate load impedance for the tank circuit, with most likely a 50 ohm output impedance. I'd be inclined to just tune the amp for rated grid and plate current of the tube, in the normal manner -- dipping the plate, making sure the grid current peaks at the point of maximum r.f. output, etc. You'll

end up at a satisfactory operating point that will be very close to the specified value. Keep in mind that the 1900 ohm specification is just a nominal value for the tube being used, and that the actual value depends on the plate current to which the tube is loaded. The plate impedance is basically just the plate voltage divided by the plate current, with another division factor that depends on the tube's conduction duty cycle. For class B service, I believe the division factor is 1.67 (though I might be remembering wrong.) In any case, you'll automatically be tuning the amp to the correct plate impedance if you load it to the calculated plate and grid current, with r.f. output maximized. (Technically, if the tube is a tetrode that requires neutralization, then you might have a further complication, but I won't go into that.)

If you really want to do a quantitative adjustment, then an inexpensive substitute for a vector impedance meter is the Autek RF Analyst, which costs about $120. To use this device, you would remove the plate cap of the tube, and substitute a 1900 ohm resistor, paralleled with a capacitor equal to the tube output cap (probably about 10 pF). Then attach the AUTEK to the output of the amplifier, set its frequency to the desired frequency, and adjust the tank circuit controls until the AUTEK indicates 50 ohms resistive match. The amplifier power is off during this procedure, of course. I use this procedure when I set the tank coil taps on my homebrew amplifiers, and it works well.

Good luck and 73,

Jim Garland W8ZR

To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 14 Apr 1999 21:54:15 -0500
Subject: W6NJV as resource
Message-ID: <19990415.064741.-454635.1.MNHopkins@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: mnhopkins@juno.com

Orr and Jones dominate our thoughts, then Pyle et als. Those are the recognized ham writers of the v. tube age. We are likely to think of Stoner before we think of Caringella, Charles, W6NJV, but it turns out he was pretty prolific.

Sams listed his "Practical Ham Radio Projects," in 1964 toward the end of the age. It carried 12 homebrews including a 7094 amp and a 6M TX that looks like a Neil Six.

But the next year his "Amateur Radio Mobile Handbook" was a treasure for latter day researchers and dreamers. Look at the diagrams he included:

Ameco CB-6 converter, Ameco CHT converter, Ameco TX-86, Ameco CMA; Heath HX-20, GP-12, HW-12, HP-13; Lafayette HE-45; Gonset Triband Converter; Stoner HE-101 Audio-Ram; International Crystal TRA 2 and Topaz Univerter. There were more homebrews too, including a 2M transceiver.

I have never seen his "Amatuur Radio Construction Projects," but he is definately on my list for Dayton box exploration.

de ab5L, Michael Hopkins, Box 226841, Dallas, TX 75222,
MNHopkins@JUNO.com
Student of Tecraft, ICM, and Six Meters' golden age, 1956-58.

Mime-Version: 1.0
Date: Thu, 15 Apr 1999 07:46:56 -0700
Message-ID: <002FDE23.1914@svlima.sv.sc.philips.com>
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: FS: Dave's Work
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

To Tinkerers, Dreamers and Nostalgiasts,

Knee Jerk Ellis (K6KJE, SK) would surely turn over if he knew what I was about to do. You see, after the War, he had his way with three BC-375's. His unfinished results were (are) a power supply (to die for), an interesting exciter and a multiple metered 4-400(?) final.

While 40+ years sitting in a slightly corrosive environment did a number on their unprotected metallic surfaces, his efforts deserve more than being reduced to hamfest table parts, although surely they would fetch more than $200. But what about Dave's work? Money aside, I would rather see his efforts be put on the air. If you're asking, "Just what does he have there that needs a home?", here goes:

Item 1 - Final amplifier - almost completed - sockets for a single 4-400(?) and a 6146(?) driver - a fist size plate coupling cap, a bread slicer (1/2" spacing), a rotary inductor, six (count 'em) meters, four monster wirewounds, a latching transmit relay and an almost finished wiring harness. It needs the big KW plug in coils. Built in a BC-375 frame.

Item 2 - VFO/Driver - apparently finished - uses an undefined, but commercially made, VFO/driver that has two boxes sitting on a single chassis - 2E26 output buffer - rotary inductor - three meters - nicely cabled and connectored. Built in a BC-375 frame.

Item 3 - Power Supply - apparently finished - four bridged 866's, timed, sequential power application - killer in every respect - two meters (6KV and AC line) - unfinished wiring harness - goes about 100 pounds. Built in a BC-375 chassis.

No, there is no modulator. Dave was a CW kinda guy. This rig should belong to someone that will finish and use it. If there are no takers, I'll keep the power supply, dismantle the two RF units and ask Dave not to be mad, after all, I tried.

Because these are homebrew, partially unfinished and very difficult to price, with Gene's permission, they are available in the Dallas/Fort Worth area for the best reasonable offer (I determine reasonable). I can bring the trio to the Belton, TX hamfest this weekend.

Thanks for your time,

Brian Harris WA5UEK

To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 15 Apr 1999 08:03:05 -0500
Subject: Ameco note: CB-6 converters
Message-ID: <19990415.080335.-454635.3.MNHopkins@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: mnhopkins@juno.com

WB0EQ's finding a variant caused me to review three of the two-tube Ameco receive converters for 6 Meters called model CB-6.   In all cases the coil cover line up was, from the power plug, A 7596 C, A 7695 C and A 7494 B.

Next to the crystal, in all three, is a 6U8, and where marked the other tube was a 6ES8.

All the output coils, (A 7596 C). have 4.7K resistors at the inside taps but the 20M output converter (xtal = 36 mc) has a jumper from the 0.005 IF output cap's coil post to the post in the corner of the converter viewed from the bottom. The 40M output converter (xtal = 43 mc) omitted this wire.

The 6.3 VAC enters at pin 7 and B+ in the 125 range at pin 8. Pins 2,5, and 6 are grounded and pins 1,3,and 4 have no contacts. The companion

PS-1 power supply, which usually fails for an open silicon rectifier, uses pin 4 as one tie point for its A.C. input.

All these units remain serviceable as their cascode front ends give adequate noise figures for 50mc. I fuse the power supplies and convert to solid state diode rectifiers without extra dropping resistors. A typical 40M output will have some 7 mc feedthru, but the more common 20M output converter does better. A series trap at the offending frequency is advised for serious work.

My library lacks an original diagram from Ameco, but I have one from Carringella's Amateur Radio Mobile Handbook available for an SASE. There is little reason to prefer the later, Nuvistor model CN-series Ameco converters for 6M.

de ab5L, Michael Hopkins, Box 226841, Dallas, TX 75222,
MNHopkins@JUNO.com
Student of Tecraft, ICM, and Six Meters' golden age, 1956-58
Banned for life from QRP-L for various heresies.

Date: Thu, 15 Apr 1999 10:35:11 -0400
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <199904151435.KAA08729@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: TN2B - APR-1... What it was?

The set seems to be a 50-250 mhz motor drive spectrum analyzer to ferret VHF radar like the German 'Wurzburg.'

The example has a panoramic out jack & a MX1 110V power supply

Where was it used? Anybody have a value guess?

It slope detects FM-BC & 2M OK!

Since APR-4 (aircraft - pulse - radio) was ww2, this must be too.
But for ground svc with that 110v ps????

Thanks,

Marty

Message-ID: <3715FDE6.CA799151@ix.netcom.com>

Date: Thu, 15 Apr 1999 09:55:34 -0500
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RADIO STUFF NEEDED FOR BB-35, USS TEXAS
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

oops! Forgot to add this to the last list:

Radio Equipment Needed:

1. Radio Direction Finder DAK-1: In a 1948 Navy inventory of equipment
left aboard was a DAK-1 in the Nav Bridge radio room
2. TBS-5 or TBS-7 Remote control Unit: The ship has a TBS-5 system in
the
Radio Transmitter Room. On the system plate 2 remote units were listed.
However the same 1948 inventory from above lists a TBS-7 remote control
unit in the Nav Bridge.
3. LORAN receiver: no idea what id. For our purpose any unit of WWII
or
just post WWII would be great.

Non functioning equipment is fine. A functional unit is also
acceptable.

If you have this equipment or manuals for it please
contact me.

73 Dave AB5S
arc5@ix.netcom.com

Date: Thu, 15 Apr 1999 11:15:10 -0400 (EDT)
From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: TN2B - APR-1... What it was?
Message-Id: <Pine.GSO.3.96.990415111351.4927F-100000@titan.purch.ans.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Since APR-4 (aircraft - pulse - radio) was ww2, this must be too.
> But for ground svc with that 110v ps????

I have seen AN/APR-1s used on submarines.

William Donzelli
william@ans.net

From: FRANKK6NL@aol.com
Message-ID: <36c0e54.24475f84@aol.com>
Date: Thu, 15 Apr 1999 11:28:04 EDT
Subject: RK20/804 et al
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Raytheon was quite an innovator in the small power tube business in the 1930s. The first was the RK18 a 1250V 50 watt triode . Then came the Rk20 around 1932 or 1933. This was truly a milestone , a 1250 volt power pentode with a suppressor grid that could be modulated. RCA eventually copied and registered the same thing with the RMA designation 804.

Next came the 500v 10w RK25, a smaller version of the RK20 with an indirectly heated cathode. RCA copied and followed with the RMA registered 802.

Next came the big one from Raytheon , the RK28A.This was a 2000v 250w pentode which also could be suppressor modulated like the RK20. RCA copied as usual and received the 803 designation.

Then Raytheon announced the RK47 and RK48 which were with the aligned grid versions of the of the RK20 and RK28 respectively. RCA followed with the usual copy of the RK47 , the 828. I am not sure if the RK48 ever had a RMA number.

About the same time Raytheon announced the RK39 which was nothing more than a 6L6 with the plate brought out to a top cap. RCA really stole a march on Raytheon at this point . They did not copy but put together a shielded version which was the 807 , a truly enhanced 6L6 !! Raytheon then was the copier !!

All of these tubes were primarily intended for the amateur market . In the thirtiies there was not much commercial business for this line. Of course the 807 blossomed in the war years . As I recall the 803 was used in some Navy transmitters.

My first job was as an engineer withe Raytheon in 1935. All of the above tubes were being manufactured when I joined . You may detect a bias against RCA in the above. Raytheon's real business was in receiving tubes and RCA controlled that business through their control of tube manufacturing equipments with an iron fist making sure smaller companies survived but just about.

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End of BOATANCHORS Digest 2504
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